

Message Text

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DRAFTED BY USNRC:RASTELLA

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FM SECSTATE WASHDC

TO AMEMBASSY STOCKHOLM

UNCLAS STATE 135678

E.O. 11652: N/A

TAGS:TECH

SUBJECT: BEAVER VALLEY I INFORMATION

FOR SOHNS,SCIATTCHE

1. SAFETY GUIDE 22 IS NOW REGULATORY GUIDE 122.
2. THE ENGINEERED SAFETY FEATURE ESF SYSTEMS ARE TESTED TO PROVIDE ASSURANCE THAT THE SYSTEMS WILL OPERATE AS DESIGNED AND WILL BE AVAILABLE TO FUNCTION PROPERLY IN THE UNLIKELY EVENT OF AN ACCIDENT.
3. DURING ON-LINE OPERATION OF REACTOR, ALL ESF FINAL ACTUATORS WILL BE FULLY TESTED. THE REMAINING FEW FINAL ACTUATORS WHOSE OPERATION IS NOT COMPATIBLE WITH CONTINUED ON-LINE UNIT OPERATION WILL BE PARTIALLY TESTED.
4. DURING NORMAL OPERATION, OPERABILITY OF TESTABLE FINAL ACTUATION DEVICES OF THE ESF WILL BE TESTED BY MANUAL INITIATION FROM THE CONTROL ROOM.
5. FOR PRESENT DESIGN, THOSE PROTECTIONS WHICH ARE ONLY PARTIALLY TESTED AT POWER ARE:

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A. CLOSING MAIN STEAM VALVES;

B. CLOSING FEEDWATER CONTROL VALVES;

C. CLOSING FEEDWATER PUMP DISCHARGE VALVES;

D. TRIPPING MAIN FEEDWATER PUMP CIRCUIT BREAKERS;

E. CLOSING REACTOR COOLANT PUMP SEAL WATER RETURN ISOLATION VALVES;

F. CLOSING REACTOR COOLANT PUMP COMPONENT COOLING WATER ISOLATION VALVES.

6. ACTUATION LOGIC FOR THE FUNCTIONS LISTED IS TESTED. AS REQUIRED BY REGULATORY GUIDE 122, WHERE ACTUATED EQUIPMENT IS NOT TESTED DURING REACTOR OPERATION IT HAS BEEN DETERMINED THAT:

A. THERE IS NO PRACTICABLE SYSTEM DESIGN THAT WOULD PERMIT OPERATION OF ACTUATED EQUIPMENT WITHOUT ADVERSELY AFFECTING SAFETY OR OPERABILITY OF THE PLANT;

B. THE PROBABILITY THAT THE PROTECTION SYSTEM WILL FAIL TO INITIATE THE OPERATION OF THE ACTUATED EQUIPMENT IS, AND CAN BE MAINTAINED, ACCEPTABLY LOW WITHOUT TESTING ACTUATED EQUIPMENT DURING REACTOR OPERATION; AND

C. ACTUATED EQUIPMENT CAN ROUTINELY BE TESTED WHEN THE REACTOR IS SHUT DOWN.

7. EMERGENCY CORE COOLING SYSTEM INJECTION PUMPS AND RESIDUAL HEAT REMOVAL PUMPS CAN BE TESTED DURING PLANT OPERATION THROUGH MINIMUM FLOW PIPING CONNECTION LOOPS. THE ACCUMULATORS ARE ON-LINE DURING PLANT OPERATION WITH THE VALVES TO THE PRIMARY COOLANT LOOP OPEN WITH CONTINUOUS VALVE POSITION INDICATION IN THE CONTROL ROOM. THESE VALVES ARE NOT TESTED DURING OPERATION.

8. REQUEST SCIREP PASS ABOVE INFORMATION TO THOMAS UNCLASSIFIED

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ECKERED, STATENS KARNKRAFTINSPEKTION, BOX 43058, 100-72 STOCKHOLM 43. KISSINGER

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